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HOLYWELL
RURAL DISTRICT COUNCIL.

Annual Reports

OF THE

Medical Officers of Health

FOR THE

HOLYWELL AND MOLD DISTRICTS,

AND THE

Sanitary Inspector

FOR THE

MOLD DISTRICT.

1925.



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MOLD DISTRICT.



1925.

The Rural District Council of Holywell.

(HOLYWELL DIVISION.)

Medical Officer of Health's Report, 1925.

Bychton, Mostyn,

May 8th, 1926.

To the Chairman and Members of the

Holywell Rural District Council.

Ladies and Gentlemen,

I have the honour to submit my Annual Report for the Holywell Division of the Holywell District for the year ending December 31st, 1925.

The Area of the District is 33,350 acres.

Population—17,450.

The number of Inhabited Houses—3,757.

Rateable Value £87,004.

Sum represented by a 1d. Rate—£362/10/4.

The following Statistics furnish details of the Births, and also of the Deaths which have occurred during the year.

The Births number 360 (175 boys and 185 girls), giving a Birth Rate of 20.6 per 1,000 of population, that for the whole of England and Wales is 18.3 per 1,000, calculated on a population estimated to the middle of 1925.

The Deaths number 284 (males 150, females 134), showing 16.27 per 1,000 compared with 14.2 per 1,000 for the previous year. The Death Rate for the whole of England and Wales is 12.2 for the same period.

Deaths of Infants under one year number 25, none of which were illegitimate, being 69.4 per 1,000 Births. During the same period Infant deaths for the whole of England and Wales were 75 per 1,000 births.

The following list shows the various causes of death :—

Tuberculosis	... 24	Bronchitis	... 19
Cancer	... 21	Congenital Deformities	9
Heart Disease	... 28	Cerebral Hæmorrhage	22
Pneumonia	... 27	Diphtheria	... 4
Nephritis	... 8	Influenza	... 2
		Violence	... 14

INFECTIOUS DISEASES.

During the year 232 cases of Infectious Diseases were notified. The chief details being :—

Scarlet Fever	... 53	Pneumonia	... 64
Diphtheria	... 33	Tuberculosis	... 43
Erysipelas	... 17		

The incidence of new cases of Tuberculosis is 2.46 per 1,000 of population.

The need of an Infectious Diseases Hospital has long been felt, and it is to be hoped that the negotiations now in progress with the Authorities of the Hawarden Infectious Diseases Hospital will materialize in a scheme satisfactory to this District.

TUBERCULOSIS.

The number of new cases notified during the year is 43, being 8 more than in the previous year. A total of 215 cases of Tuberculosis were on the Register at the close of 1925. The deaths from this cause number 24, the total deaths from all causes number 284. The proportion therefor—1 in 12 approximately.

HOSPITAL AND NURSING ARRANGEMENTS.

These remain the same as last year.

HOUSING.

I am pleased to say that the erection of much needed houses in the several parts of the District is now assuming a tangible form. In Bagillt 50 houses are now in course of erection by the Bettisfield Colliery Co., under financial assistance by the Council. The erection of a further 300 houses is proposed for this area, and negotiations are now pending for the acquisition of the mineral rights which are deemed to be necessary before building can actually begin.

FFYNNONGROEW.

In this area Contracts have been let for 36 houses, and the work is now being commenced.

GRONANT.

Land has recently been acquired for the erection of 20 houses in this area, where they are urgently needed.

NEWMARKET AND GWAENYSGOR.

16 houses are proposed for each of these Villages.

SLAUGHTER HOUSES.

The situation remains the same as last year.

WATER SUPPLIES.

The Water Supplies of the District have been well maintained throughout the year. The main service pipes at Caerwys previously reported as being encrusted have been thoroughly cleaned out and the supply is now plentiful.

LLANASA WATER SUPPLY.

The Council's original scheme, I am informed, cannot be proceeded with on the score of cost, and there is a sug-

gestion before the Council of considering some scheme of supplying the whole of the dry upland Parishes of the District.

TREVOR WATER SUPPLY.

I am pleased to be informed that the Council is proceeding forthwith to provide an adequate supply of wholesome water for this locality.

SCAVENGING.

The Scavenging of the District is proceeding satisfactorily. In the Mostyn area, steps to begin a regular system of scavenging are almost complete.

DRAINAGE.

The Drainage conditions of the District remain the same as last year. A Joint Committee of the local Authorities concerned in the opening and development of the Rivar Dee has been formed to consider the best means of rendering the River navigable. The deepening of the River bed would provide a natural drainage for the lower areas, particularly Bagillt.

DAIRIES AND COWSHEDS.

Steps are gradually being taken to carry out the requirements of the Order.

FACTORIES AND WORKSHOPS.

No change from last year, except that the older places are being closed down and replaced by more modern premises elsewhere.

PUBLIC HEALTH STAFF.

The Public Health Staff of the Holywell Division consists of myself, as part time M.O.H., and a full-time Sanitary Inspector, who has given me valuable assistance throughout the year.

A Summary of the Sanitary work of the year is attached hereto.

I am, Ladies and Gentlemen,

Your obedient Servant,

F. G. NORBURY,

M.O.H.

HOLYWELL RURAL DISTRICT COUNCIL (Holywell Division).

General Summary for 1925.

NUMBER OF	PARISH OF								REMARKS.	
	Holywell Rural.	Whitford.	Llanasa.	Newmarket.	Gwaenysgor.	Caerwys.	Ysceiog.	Brynford.		Total.
Visits of Inspection ..	99	41	28	7	7	34	9	10	235	No record of informal notices
Statutory P.H. Notices served ..	3	..	6	..	..	..	..	..	9
Ditto ditto complied with	3	..	6	..	..	..	..	..	9
Dairies and Cowsheds ..	26	14	13	..	2	4	..	1	60	Inclusive of 17 Bakehouses
Factories and Workshops ..	12	9	9	2	1	8	5	..	46	
Slaughter Houses ..	5	4	4	2	1	2	1	..	19	
New Houses built ..	12	7	13	..	2	..	1	1	36	

8

No record of informal notices

Inclusive of 17 Bakehouses

SCAVENGING WORK—Total Loads removed—Bagillt .. 2163.
Greenfield .. 1338.

J. P. JONES, Sanitary Inspector.

HOLYWELL RURAL DISTRICT (MOLD DIVISION).

To the Chairman and Members of the
Holywell Rural District Council.

Gentlemen,

I beg to present my Annual Report for the year ending December 31st, 1925.

The following is a tabulated Statement of the Sanitary work carried out by your Inspector (Mr. R. D. Jones) in each Parish during the year:—

Area in Acres—33,871.

Number of Inhabited Houses—2,489,

Rateable Value—£62,539.

Sum represented by 1d. Rate—£265/11/7.

	Mold Rural.	Nerquis.	Gilcen.	Halkyn.	Northop.	Nannerch.	Total.
Number of Nuisances reported	117	3	2	15	33	2	177
Number of Nuisances abated	101	3	2	9	32	2	149
Number of Statutory Notices served ..	33	2	1	4	30	1	71
Number of Notices complied with ..	22	1	1	2	30	1	57
Number of House Drains repaired ..	20	1	1	2	3	..	27
Number of New Drains provided ..	19	2	2	1	5	..	29
Number of Houses supplied with water..	19	69	..	..	6	..	79
Number of Water Closets provided ..	19	3	2	1	4	..	29
Number of Samples of Water taken ..				Nil			
Number of Legal Proceedings taken ..				Nil			

During the year there were 148 Births registered, 86 males and 62 females.

Legitimate—83 males, 59 females.

Illegitimate—3 males, 3 females,

making a general Birth Rate of 17.13 per 1,000 per annum of the population, and 18.3 for England and Wales.

137 Births were notified during the year, 78 males and 59 females, making a Notifiable Birth Rate of 15.85 per 1,000 showing 1.28 per cent. not notified.

10 Infants died under one year of age, 5 males and 5 females (1 female illegitimate), making an Infant Mortality of 66.56 per 1,000 Births registered, that for England and Wales being 75.

123 Deaths were registered, 61 males and 62 females, making a general Death Rate of 14.22 per 1,000 per annum, that for England and Wales being 12.2.

57 cases of Infectious Diseases were notified in the six Parishes, viz :—

				Mold Rural.	Nerquis.	Cilcen.	Halkyn.	Northop.	Nannerch.	Total.	England and Wales.
Tuberculosis	..	..	..	3	..	1	1	3	1	9	
Scarlet Fever	..	..	..	29	..	3	..	5	1	38	2.36
Diphtheria	..	..	..	..	..	4	..	4	..	8	1.23
Measles	..	..	..	5	..	..	..	..	..	5	
Erysipelas	..	..	..	1	..	..	..	..	..	1	0.39
Pneumonia	..	..	..	1	..	2	2	..	..	5	

making a Zymotic Rate of 6.59, against 10.35 for the preceding year.

2 cases of Diphtheria and 2 cases of Pneumonia proved fatal, making a Zymotic Death Rate of .46, against 1.04 for the preceding year.

TUBERCULOSIS.

9 cases of Tuberculosis were notified during the year, 6 Respiratory and 3 other forms, 4 of which proved fatal.

One case has received Sanatorium benefit. All contacts have been kept under observation, and advised to appear for Medical examination by the Tuberculosis Physician. There still remains the difficulty with regard to the disposal of these cases; after their discharge from Hospital—generally speaking they return to homes overcrowded and badly ventilated.

WATER SUPPLY.

Nerquis Water supply is completed, 350 persons are supplied, also the Elementary School.

The Inspection Shaft in connection with the water supply for Halkyn Village has been rebuilt, and the work of clearing the debris from the tunnel is now in hand. The Well at Pantybuarth has been provided with a pump, as suggested by H. M. Engineer.

All Wells in the district are periodically inspected and cleaned out, and the supply is on the whole satisfactory with one exception, viz: Gwernaffield Well, which has before been reported upon. This Well is only used when there is a shortage of a piped supply.

The Water supply to Northop Village remains as before reported upon, the Council are still waiting for the consent of the Holywell Urban Council to tap their main.

SEWERAGE.

A new disposal plant has been constructed at Leeswood, which receives the drainage of 30 houses. All sewers are periodically examined and all defects receive immediate attention. As before pointed out in former Annual Reports, a scheme of Sewerage is urgently required at Gwernaffield.

SCAVENGING.

A system of scavenging has been adopted for Northop Hall, Northop, Soughton, Leeswood and Pontblyddyn; in these areas, most of the privy accommodation has been converted into the pail system, and house refuse stored in bins and boxes. I should strongly recommend that a similar scheme be adopted for Mynydd Issa, where building operations are rapidly increasing.

DAIRIES AND COWSHEDS.

There are 85 on the Register, which are periodically inspected by your Sanitary Inspector. In general the Cowsheds of the district are structurally unsatisfactory, as pointed out in several Annual and Special Reports.

SLAUGHTER HOUSES.

During the year your Inspector, Mr. R. D. Jones, made a systematic and exhaustive survey of each Slaughter House in the district, and submitted a report to your Council, and according to that report, most of these are structurally defective, and do not comply with the Slaughter Houses Order.

As regards Meat Inspection, I understand that your Council have not yet considered this matter. I beg to refer your Council to remarks made in my last Annual Report, as to the appointment of an Inspector to take over the duties of Dairy and Meat Inspection, it is an utter impossibility for your Sanitary Inspector to carry out all these duties in such a scattered area.

HOUSING.

I am glad to report that your Council are now carrying out extensive building operations within the Mold Division of your district. Building is well in hand at Rhydymwyn and Gwernymynydd. Contracts have also been let for houses at Mynydd Issa, Northop, Soughton and Halkyn.

Schemes are also under consideration for Northop Hall and Leeswood, where houses are urgently required.

HOUSING.	Mold	Neiquis	Cilcen	Halkyn	Northop	Nannerch	Total
I.—Number of New Houses erected ..	19	2	2	1	5	..	29
II.—Number of Houses inspected for defects under P.H.A.	53	6	4	15	12	2	97
III.—Number of Dwelling Houses unfit for habitation	1	..	..	2	1	..	4
IV.—Number of Dwelling Houses (exclusive of those referred to) found not to be reasonably fit for habitation ..	12	..	..	6	2	..	20
V.—Remedy of Defects without service of formal notice	25	2	4	3	2	..	36
Number of Defective Houses rendered fit by informal action .. ..	..	..	..	..	..	..	..
Action under Statutory Powers .. ..	..	..	..	..	..	..	..
Number of Proceedings under Section 28 H.P. Act, 1919 .. ..	..	..	..	..	..	..	..
Number of Dwellings in respect of which notices were served requiring repairs ..	..	..	..	..	..	..	..
(a) By Owners .. ..	..	..	..	..	..	..	..
(b) By Local Authority in default of owners .. ..	..	..	..	..	..	..	..
VI—(A) Number of Dwelling Houses in which closing orders became operative in pursuance of declaration of Owners' intention to close .. ..	..	..	..	..	..	..	..
(B) (1) Number of Dwelling Houses in which notices were served desiring defects to be remedied .. ..	..	..	..	..	..	..	..
(2) Number of Dwelling Houses in which defects were remedied .. ..	..	..	..	..	..	..	..
(a) By Owners	40	2	2	..	1	..	45
(b) By Local Authority by default of Owners .. ..	..	..	..	..	..	..	..

HOSPITALS.

At present there is no Isolation Hospital, but I am pleased to understand that your Council and neighbouring

Authorities are arranging a scheme whereby the Hawarden Isolation Hospital may be enlarged for the reception of cases from this and adjoining districts.

POLLUTION OF STREAMS AND DITCHES.

Complaints are still being received from the Padeswood area with regard to the pollution of streams, caused by crude sewerage from the Buckley Urban District, as pointed out in my Annual Reports for 1923 and 1924.

FACTORIES AND WORKSHOPS.

There are 48 on the Register, which are periodically inspected, and on the whole are found to be satisfactory with regard to ventilation, air space, lighting and cleanliness.

PUBLIC HEALTH STAFF.

This consists of Medical Officer of Health, (who is not in general practice), and Mr. R. D. Jones, Sanitary Inspector and Building Surveyor, whom I have to thank for his valuable assistance and co-operation. He devotes the whole of his time to Sanitary service. I am pleased to say that the provision of a Health Office in Mold has facilitated the carrying out of Sanitary work in this district.

I have the honour to be,

Gentlemen,

Your obedient Servant,

EDWARD WILLIAMS,

Medical Officer of Health, Holywell Rural and
Mold Urban District Councils.

8, Grosvenor Street, Mold,

May 17th, 1926.

Supplementary Report of M.O.H. for Holywell R.D.
for 1925.
Nychton,



Mostyn,

FLINTSHIRE.

October 6, 1926.

HOLYWELL DISTRICT.

To the Chairman and Members of the
Holywell Rural District Council.

Ladies and Gentlemen,

I beg to tender the additional information
on the District asked for by the Ministry of Health -

1. Legislation in force (Local Acts, Adoptive Acts, Byelaws, &c.).

"None during year of Report".

2. Chemical work during the year.

No analytical or pathological work has been
carried out in this District during the year, with the exception
of milk samples - all of which proved to be satisfactory.

3. Water Supply in the Schools.

The schools in the District have the best
available water supply with the exception of the two Mostyn
Schools, where the village water supply is not being used. The
Rheol Mostyn Schools have been previously reported upon.

4. Statement of the number of registered and licensed slaughter-
houses.

In the District there are -

1 Licensed Slaughterhouse.

19 Registered "

3 Retail meat sellers killing at registered
slaughterhouses.

2 Registered meat sellers killing at registered
slaughterhouses outside the District.



5. Arrangements for disinfection.

Disinfectants are supplied in all cases of infectious disease under the direction of the Sanitary Inspector.

6. The incidence of infectious diseases is here shown in tabulated form.

Year:	C	a	s	e	s	e	f
Year:	Tuberculosis:	Diphtheria:	Scarlet:	Pneumonia:	Erysipelas:	Typhoid:	
			Fever				
1920	28	5	83	11	5	1	
1921	24	13	27	13	2	-	
1922	32	27	14	43	4	-	
1923	35	32	9	57	2	7	
1924	35	35	42	55	4	-	
1925	43	33	53	64	17	-	
Totals	197	145	228	243	34	8	
Average	32.83	24.16	38	40.5	5.6	1.3	

In addition to the above one case of ophthalmia Neonatorum was notified in the year 1921 and 2 cases of Puerperal Septicaemia in 1922.

7. Statement of the Clinics and Treatment Centres in the District.

One clinic has been established in the District to give advice to Nursing Mothers and two treatment centres have been in operation for several years for tubercular patients under the direction of the County Tuberculosis Officer.

8. An Account of the Nursing Arrangements and of the existing Hospital accommodation in the District.

Poor Law Infirmary.

68 beds, 6 nurses - not available as a general hospital for the District, and no infectious cases are admitted. The Hospital does not possess an Operating Theatre.

THE UNIVERSITY OF CHICAGO
DEPARTMENT OF CHEMISTRY
JANUARY 1950
JAMES H. HARRIS, JR.
JAMES H. HARRIS, JR.
JAMES H. HARRIS, JR.

TABLE I					
ANALYSIS OF THE POLYMERIZATION OF VINYL CHLORIDE					
Run	Time, hr.	Yield, %	Cl, %	CH ₂ , %	CH ₃ , %
1	24	100	57.5	42.5	0
2	48	100	57.5	42.5	0
3	72	100	57.5	42.5	0
4	96	100	57.5	42.5	0
5	120	100	57.5	42.5	0
6	144	100	57.5	42.5	0

ANALYSIS OF THE POLYMERIZATION OF VINYL CHLORIDE
JAMES H. HARRIS, JR.
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THE UNIVERSITY OF CHICAGO
DEPARTMENT OF CHEMISTRY
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3 12
The only other hospital in the District is the Holywell Cottage Hospital, which is now being enlarged. When the extension is complete it will be able to accommodate 12 to 14 patients. The Nursing Staff number 3.

Negotiations are in progress with the neighbouring Authority of Hawarden, to enlarge the existing Infectious Diseases Hospital at Hawarden and to convert it into a Joint Hospital.

There are 7 District Nurses practising in the Holywell Division, one School Nurse and one Health Visitor.

I am,

Ladies and Gentlemen,

Your obedient Servant,

(Sgd.) F.G. Norbury.

M.O.H.

March 8, 1927.

D. W. W.

MOLD DISTRICT.

Supplementary Report for the Mold Division for the
year 1925.

1. Legislation in force (Local Acts, Adoptive Acts, Byelaws &c.).

These are the same as those detailed on page 1
of the additional report on the Holywell District.

2. Chemical work during the year.

Samples of water taken from the Hawarden Water
Company's Mains at Pant-y-Mwyn, Mold were found to be entirely
satisfactory.

Milk samples on the whole were also satisfactory.

3. The condition of the sanitation and water supply in the
schools is herewith shown in tabulated form.

Name of School	Convenience	Water Supply.
Northop Hall	Pail Closets	Hawarden Water Co.
Soughton	do.	No Supply
Mynydd Isa	do.	Hawarden Water Co.
Pontblyddyn	do.	Rainwater
Leeswoods	do.	Brymbo Water Co.
do. E.S.	do.	do.
Nerquis	Middens	Council's supply
Gwenymynydd	Pails	Mold Water Co.
Quarryfield	Pails	Hawarden Water Co.
Rhydmyr	Pails	do.
Cilcen	Pails	do.
Lannerch	Pails	Supply laid
Halkyn	Water Closet	Supply pipe
Rhys-y-Cae	Middens	No supply (Water derived from local wells)

4. There are 14 Registered Slaughterhouses in the District and one Registered meat seller killing in slaughterhouses outside the Area.

5. Disinfection for Infectious Diseases is carried out in the Division exactly in the manner detailed in the supplementary Report for the Holywell Division.

6. The incidence of infectious diseases is here shown in tabulated form.

Year:	Tuberculosis:	Diphtheria:	Scarlet: Fever	Pneumonia:	Erysipelas
1920:	5	6	28	1	3
1921:	10	1	47	1	
1922:	2	10	26	1	1
1923:	21	-	9	6	1
1924:	4	17	52	19	1
1925:	9	8	38	5	1
Totals	51	42	200	33	1

In addition to the above 1 case of Typhoid occurred in the year 1922. One case of Anterior Poliomyelitis and one case of Malaria occurred in 1921. In 1923 one case of Puerperal Septicaemia was notified.

7. Statement of the Clinics and Treatment Centres in the District.

Clinics are held in the various schools of the District by the School Medical Officer and Treatment Centres are in existence for the treatment of Tuberculosis cases by the County Tuberculosis Officer.

8. There are 8 District Nurses practising in the Area - taking general medical, surgical and midwifery cases. These are

/generally

generally under the supervision of the District Nursing Association.

The School Nurse and one Health Visitor also work in the area.

9. In addition to the arrangements detailed in answer to question 9 in the Holywell Report there is available one Cottage Hospital in Mold with a capacity of 14 beds.

(Sd.) F.G.Norbury, M.O.H.

